

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

### **PROTECT OUR DRINKING WATER SUPPLY AND OUR WATERSHED**

- Reduce the amount of fertilizers, pesticides, or other hazardous chemicals that you use. Buy only what you need so that you don't have to dispose of leftovers. Read all the labels and follow directions.
- Use organic lawn and garden alternatives that do not contain synthetic chemical poisons. Reduce use of products that contain any of the following words on their labels: caution, warning, danger, poison, flammable, volatile, caustic, or corrosive.
- Recycle used oil, automotive fluids, batteries, and other products. Don't dispose of hazardous products in toilets, storm drains, wastewater systems, creeks, alleys, or the ground. This pollutes the water supply.
- Westfield and Washington Township residents can utilize the Hamilton County Household Hazardous Waste Center located at 1717 E. Pleasant Street in Noblesville. For more information, call 317-776-4005.
- For more information on Wellhead Protection, contact Mr. Kurt Wanninger at (317) 896-5452.
- To learn more about groundwater protection and other drinking water resources, contact the Indiana Department of Environmental Management at (317) 308-3388 or visit their website at [www.in.gov/idem](http://www.in.gov/idem)

At the Westfield Public Works, we work diligently to provide top quality water to every tap and ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

### **FOR MORE INFORMATION**

We want our valued customers to be informed about their water utility. If you have any questions about this report or concerning your water utility, please contact Bruce Hauk at (317) 896-5452. If you want to learn more, you are welcome to attend any of our regularly scheduled Town Council meetings held at 7:00 PM on the 2nd Monday of every month.

**Bruce Hauk, Director of Public Works**

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# **Annual Drinking Water Quality Report**



**Westfield Public Works  
Westfield, Indiana**

The Westfield Public Works proudly presents this year's Annual Drinking Water Quality Report. This report is designed to keep you informed about the quality of your drinking water over the past year.

Westfield's drinking water is supplied by groundwater that comes from well fields located within our community. These well fields produce groundwater from various sand and gravel aquifers.

To help protect underground aquifers and our water supply wells from potential contamination, the Westfield Public Works is implementing a Wellhead Protection Plan, which has been approved by the Indiana Department of Environmental Management. As part of this plan, Westfield Public Works has been conducting educational activities for grade school classes and providing pollution prevention information to local residents and businesses. The Town also has a Wellhead Protection Ordinance which manages development and activities within the Wellhead Protection Areas. A copy of the Wellhead Protection Plan is available for public viewing at the Public Works Office.

Included in this year's report is information on what you can do to protect our water resources and where you can find additional information.

## DEFINITIONS

**Not Applicable (N/A)** – no MCLG or MCL has been established for these unregulated constituents.

**Parts per million (PPM)** - one part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (PPB)** - one part per billion corresponds to one minute in two thousand years or a single penny in \$10,000,000.

**Action Level (AL)** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Maximum Contaminant Level Goal (MCLG)** - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum Contaminant Level (MCL)** - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants such as salts and metals which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, stormwater runoff, and residential uses.
- Organic chemicals, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive materials, which can be naturally occurring or be the result of oil and gas production and mining activities.

## AVERAGE WATER QUALITY DATA FOR 2006

Westfield Public Works routinely monitors for constituents in your drinking water according to all Federal and State laws. The following table provides the results for only those constituents that were detected as part of our most recent monitoring.

Name of Constituent	Violation Yes/No	Maximum Level Detected	Range of Levels Detected	Unit Measurement	MCLG	MCL	Likely Source of Constituent
<b><u>Inorganic Compounds</u></b>							
Antimony	No	0.90	0.6 to 0.9	PPB	6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Barium	No	0.08	0.07 to 0.08	PPM	2	2	Erosion of natural deposits
Beryllium	No	0.3	0 to 0.3	PPB	4	4	Discharge from metal refineries and coal burning factories
Copper	No	0.35 <sup>(1)</sup>	0.07 to 0.6	PPM	1.3	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits
Chromium	No	3.1	2.4 to 3.1	PPB	100	100	Erosion of natural deposits
Fluoride	No	1.7	0.4 to 1.7	PPM	4	4	Additive to promote strong teeth
Lead	No	3.3 <sup>(1)</sup>	0 to 4.9	PPB	0	AL= 15	Corrosion of household plumbing systems; erosion of natural deposits
Nickel	No	7.3	4.7 to 7.3	PPB	N/A	N/A	Erosion of natural deposits
Nitrate	No	0.02	0 to 0.02	PPM	10	10	Runoff from fertilizer use; septic system leachate; natural deposit erosion
Sodium	No	9.91	9.07 to 9.91	PPM	N/A	N/A	Erosion of natural deposits, urban runoff
<b><u>Disinfection Byproducts and Precursors</u></b>							
HAA5s (Haloacetic acids)	No	2.2 <sup>(2)</sup>	0 to 5.98	PPB	0	60	By-product of drinking water chlorination
Total TTHMs (Trihalomethanes)	No	18.4 <sup>(2)</sup>	5.4 to 39.5	PPB	0	80	By-product of drinking water chlorination
<b><u>Synthetic Organic Compounds</u></b>							
Di(2-ethylhexyl)phthalate	No	1.5	1.5 to 1.5	PPB	0	6	Chemical found in plastics, possible sampling artifact
Pentachlorophenol	Yes <sup>(3)</sup>	1.15	0 to 1.15	PPB	0	1	Runoff from wood processing, possible sampling artifact

### Table Notes

(1)- Levels detected for copper and lead represent the 90<sup>th</sup> percentile value as calculated from 30 samples.

(2)- The maximum levels detected for TTHMs and HAA5s represent the running annual averages based on quarterly samples.

(3)- One sample, at one sampling location, exceeded the MCL for pentachlorophenol on 10/30/2006. This location was re-sampled on 12/27/2006 and pentachlorophenol was not detected. Some people who drink water containing pentachlorophenol in excess of the MCL over many years could experience problems with their liver or kidneys, and may have an increased risk of getting cancer.

Antimony, Barium, Beryllium, Chromium, Nickel, and Sodium testing was conducted in 2005. All other constituents were sampled in 2006. The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Therefore some of our data, while representative, is more than one year old.